

I. AMENDMENTS

Amendments to the Specification

Please amend the Specification as follows:

Please amend the second full paragraph on page 1, beginning on line 9 and ending on line 14 as follows:

An increase in the transmission capacity because of recent remarkable development of the Internet has stimulated quick spreading of the optical communications network technique of WDM (Wavelength Division Multiplex). WDM multiplies lights of different wavelengths and simultaneously transmits a plurality of multiplied signals s over a single optical fiber.

Please amend the fourth full paragraph on page 1, beginning on line 19 and ending on line 27 as follows:

The amplified signal from the optical amplifier is at a high level. If a fault occurs in the optical fiber transmission line or the optical transmission device, the optical signal may be emitted in the air. This situation is dangerous. For example, the dangerous situation will occur when the optical fiber cable is disconnected or pulled off from a unit. In order to ~~have the~~ prevent a maintenance person affected from being injured by the fault, the optical output is automatically ~~broken down~~ stopped when a fault occurs.

Please amend the first full paragraph on page ²~~4~~, beginning on line 1 and ending on line 8, as follows:

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FIG. 15 is a block diagram of an outline of a repeater station provided in a conventional WDM system. A WDM system 200 has repeater stations 210 and 220, which are coupled through optical fiber transmission lines L1 and L2. The repeater station 210 includes optical amplifiers 212a and 212b, optical couplers C1a and C1b, and a supervisory part 211. Similarly, the repeater station 220 includes optical amplifiers 222a, 222b, optical couplers C2a and ~~e2b~~C2b

Please amend the third full paragraph on page 3, beginning on line 10 and ending on line 11 as follows:

In step S100, a fault occurs in the optical fiber transmission ~~line~~line L1, which is disconnected.

Please amend the second full paragraph on page 4, beginning on line 11 and ending on